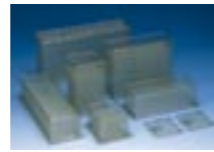


## • Wide range of accessories for all types of glassware

Available accessories include basic baskets for open mouth glassware such as beakers and dishes. Injector racks are available for narrow neck glassware including erlenmeyer flasks and bottles. Specialty racks available for pipettes and other miscellaneous items.



PST  
Basic basket



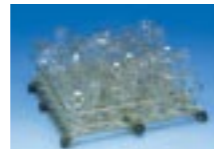
ST, LT  
Baskets for tubes and small material



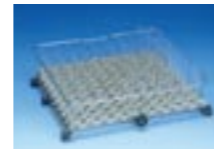
20-100 IXC  
Rack long injectors



36-100 IXL  
Rack short and long injectors

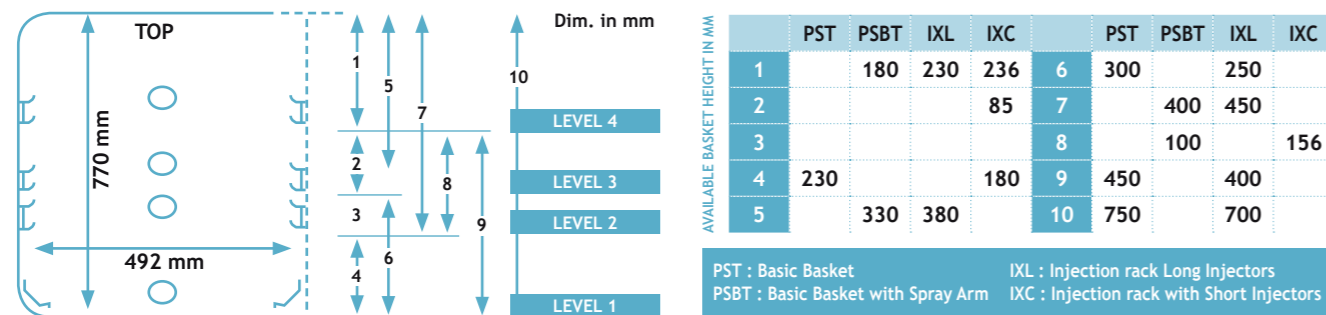


36-100 IXC  
Rack short injectors



48-100 IXA  
Rack short Ø 2mm injectors

### CHAMBER VIEW - AVAILABLE BASKET HEIGHTS



## TECHNICAL DATA & UTILITIES

OVERALL DIMENSIONS	1985 x 1340 x 830 (h x w x d) (mm)	TOTAL ELECTRICAL POWER	21 kW
CHAMBER DIMENSIONS	770 x 984 x 510 mm (h x w x d) (mm)	DRAINAGE	diam 40Ø mm
WASHING LEVELS	1 to 6 washing levels with two being adjustable	VOLTAGE	230v 3 50/60 hz 400v 3+N 50/60hz 208v 3 60hz (others by request)
WATER CONSUMPTION (approximate per operation, according to the basket used)	35 to 47 litres	NET WEIGHT	365 kg
RECIRCULATING PUMPS (flow rate)	2 x 600l/min	HEAT LOSS	1500 cal/h - 5560 BTU/h
HEATING	18 kW	NOISE LEVEL	< 64.5 dBA
DRYING	7.2 kW	WATER SUPPLY	Diam. 20/27 mm 40 l/min 2-6 bars

### OPTIONAL FEATURES

**Hot demineralized water valve:** with stainless steel valve.

**Hot water inlet valve +50°C:** with brass valve.

**Gravity drop drain:** pneumatic valve discharges waste water to floor level drain.

**Low pressure valve+pump for purified water:** guarantees proper water pressure for purified water supply.

**Additional dosing pump with its level sensor:** for the adding of a second detergent or a lubricant at the final wash cycle.

**Steam condenser:** eliminates vapour and steam when chamber temperature exceeds 50°C. Vapour and steam are condensed and sent to drain.

**pH neutralization:** automatically adds a base or acid solution to neutralize the discharge.

**Softener:** prolongs and improves efficiency in hard water areas.

**External printer (via RS-232 connection):** supplies a printed ticket with all cycle data.

**Built-in printer:** supplies a printed ticket with all cycle data.

**Drain discharge cooldown:** cooling of effluent to < 60°C.

**Kit for single door frame:** allow to build the machine in a wall.

**Steam heat with electrical valve.**

**Steam heat with pneumatic valve.**

**Emergency stop button:** located on the exterior of the washer, shuts off all power.

**Conductivity meter.**

**Validation monitor.**

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# LABEXIA 1800 LXA

## Laboratory Glassware Washer Dryer



*The ultimate in flexibility!*

 **LANCER**  
advanced washing  
& disinfection solutions

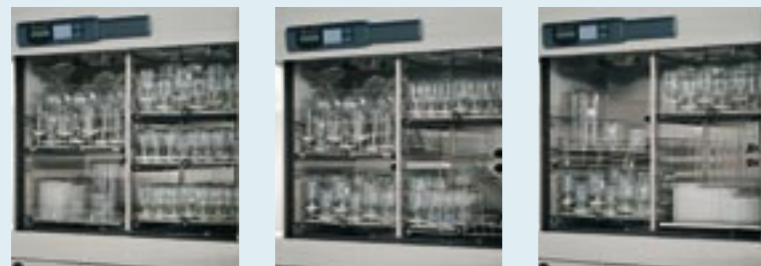
## • Ergonomy and productivity

**Glass vertical sliding door:** 1800 LXA is fitted with a glass door which slides down and "disappears" into the washer's frame when opening.

Such a concept provides a number of advantages such as a slim design, the vision into the chamber when running a cycle as well as the decrease of the total footprint and overall dimensions. The handling of the heaviest loads to carry is really easy thanks to the TN1800 trolley. 1800 LXA naturally fits your existing lab's environment and helps to increase your productivity.

**8 independent washing levels:** 1800LXA allows the simultaneous usage of six independent racks on 8 different positions offering a virtually unlimited number of configurations.

LANCER's accessories are individually connected allowing the use of a wide range of baskets and racks. These racks and baskets are interchangeable between levels allowing the chamber configuration to be adapted to suit the items to be washed. In addition, should you own an 810 to 1300 LANCER washer, you can also use your current baskets and racks directly with the 1800LXA!



Examples of configurations

## • On-board storage and automatic dosing of cleaning chemicals

The 1800LXA features a built-in **storage drawer** with capacity for 2 x 10 l (2.5 gallons) chemical containers.

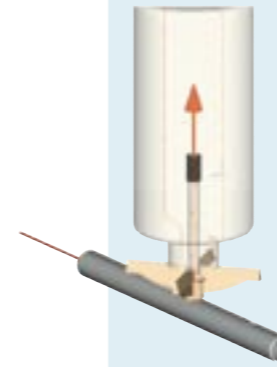
**Two peristaltic pumps** automatically dose liquid detergents and neutralizers during the cycle. Chemical intake time is preset, but user adjustable.



Cleaning and rinse agents are accurately dosed eliminating the dangers of handling wash chemicals.

**Automatic liquid level detectors** are provided for each chemical container.

## • HEPA filtered injector drying system



**Complete and rapid drying of glassware:**

- **Exterior:** chamber drying by hot air injection circulated by 2 turbines (3.6 kW) throughout chamber.
- **Interior:** drying by hot air injection circulated by 2 turbines (3.6 kW). Air is directed into hydraulic circuit and glassware through injectors at each level.

Heating temperature control up to 110°C.

Total external and internal drying power (7.2 kW).

HEPA filtration system guarantees the quality of the drying air.

## • User friendly programmable microprocessor

**Up to 40 easy-to-select standard washing programs**

for many applications including: chemistry glassware, bacteriology/virology (high temperature), stubborn stains (agar), volumetric glassware (low-temp) and others. 4 programs are factory pre-set, 36 programs are user-customized.



**Adjustable parameters:** Up to 53 different parameters can be easily adjusted including: program phases, temperature and time of each phase, cleaning chemical dosing, and drying temperature (password-protected access).

**Self-diagnostic program,** with visual and audible alarms, alerts the user in the event of a malfunction enabling quick troubleshooting and maintenance.

## • Powerful hydraulics but low water consumption!

The design of the hydraulic circuit is critical to guarantee the mechanical washing power when multiple levels are used. LANCER's unique and proven design ensures a very efficient washing on all levels. The direct injection concept enables the water to circulate at full pressure throughout all individual levels providing the required mechanical effect. During the development of 1800LXA particular care was given to the water management in order to achieve low consumption without compromising the quality of the washing.

**Stainless steel spray arms** located at the top and bottom of the chamber ensure thorough washing of external glassware surfaces.

